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| **Day 1** | **Day 2** | **Day 3** | **Day 4** | **Day 5** |
| Review of Mitosis  Activity  (hand-out unit vocabulary list) | **In class investigation** (Gizmo of meiosis) | Consolidation of Gizmo and meiosis stages | Sources of variance in meiosis (crossing over, independent assortment) | Dry-Lab:  Comparing mitosis and  meiosis  (Self-assessment) |
| **Day 6** | **Day 7** | **Day 8** | **Day 9** | **Day 10** |
| Gamete formation and  Review for quiz 1 | Quiz 1    In class investigation comparing traits | Karyotype and meiosis mistakes | Origins of genetics (historical case study) | Complete dominance - Inheritance of one trait (monohybrid cross; probability)  Exit slip (assessment for learning) |
| **Day 11** | **Day 12** | **Day 13** | **Day 14** | **Day 15** |
| Complete dominance -Inheritance of two traits (dihybrid cross and test cross)  Exit slip (assessment for learning) | Codominance and incomplete dominance | Wet Lab  Blood typing lab | Sex-linkage and sex-linked genetic disorders | Analysis of pedigree charts  Hand out outline for STSE assignment |
| **Day 16** | **Day 17** | **Day 18** | **Day 19** | **Day 20** |
| Work period for the STSE assignment (computer lab) | Presentations | Presentations | Review | Unit Test |

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